

- 18. A monoclonal antibody having an affinity of > 10⁸ M⁻¹ for the amino acid sequence YPYDVPDYA, (SEQ ID NO: 1) as determined using a BIACORE® surface plasmon resonance system, wherein said monoclonal antibody is raised against a 13- or 14-amino acid containing epitope of human influenza virus haemagglutinin.
- 19. A monoclonal antibody having an affinity of 10⁹ 10¹⁰ M⁻¹ for the amino acid sequence YPYDVPDYA, (SEQ ID NO: 1) as determined using a BIACORE® surface plasmon resonance system, wherein said monoclonal antibody is raised against a 13- or 14-amino acid containing epitope of human influenza virus haemagglutinin.
- 20. The monoclonal antibody of claim 18 or claim 19, wherein said antibody is produced by hybridomas which are obtained by fusing mouse P3x63-Ag8.653 myeloma cells with B lymphocytes from Lou/C rats, said Lou/C rats having been immunized with a haemagglutinin peptide.
- 21. The monoclonal antibody of claim 18 or claim 19, wherein said antibody is produced by hybridomas which are obtained by fusing mouse P3x63-Ag8.653 myeloma cells with B lymphocytes from Lou/C rats, said Lou/C rats having been immunized with a haemagglutinin peptide, wherein said immunization is carried out with a haemagglutinin peptide coupled to keyhole limpet haemocyanin.
- The monoclonal antibody of claim 18 or claim 19, wherein said antibody is produced by hybridoma R 3A12 deposited at the "Deutsche Sammlung für Mikroorganismen und Zellkulturen" under Accession No. DSM ACC2286 (08.10.1996).

- 23. A method for the production of a monoclonal antibody against the epitope YPYDVPDYA (SEQ ID NO: 1) comprising:
 - (a) synthesizing a haemagglutinin peptide,

said clone as a hybrid cell line.

- (b) immunizing a small mammal with said peptide,
- (c) isolating B lymphocytes from the spleen of said mammal and fusing said lymphocytes with mouse P3x63-Ag8.653 myeloma cells to form clones, (d) selecting clones formed in step (c) that produce an antibody which binds to a haemagglutinin peptide and to a haemagglutinin fusion protein, and (e) selecting a clone from those selected in step (d) that produces an antibody with an affinity of $> 10^8 \, \text{M}^{-1}$ for the sequence YPYDVPDYA and establishing
- 24. The method of claim 23, wherein said haemagglutinin peptide is selected from the group consisting of acetyl-YPYDVPDYAGSGSK (ε-biotinoyl) amide (a derivative of SEQ ID NO: 2) and biotinoyl-ε-Aca-SGSGYPYDVPDYA amide (a derivative of SEQ ID NO: 3).
- 25. The method of claim 23, wherein said haemagglutinin fusion protein is haemagglutinin-tagged glutathione-S-transferase.